

# CONNECTOR DEVICE FOR DETECTING INSERTION OR REMOVAL OF PLUG FROM COMMON JACK

## Abstract

A connector device includes a common jack connected to a first information-handling apparatus and a plug connected to a second information-handling apparatus. The plug is adapted for insertion into the common jack and contains a first conductive surface and a ground contact. A first jack contact is formed on the common jack for receiving communication signals when engaging with the first conductive surface of the plug. A memory buffer is used for receiving the communication signals through the first jack contact and for sending out the communication signals to the first information-handling apparatus when the memory buffer is not empty. A control monitors a status of the memory buffer. When the memory buffer is not empty, the control circuit determines that the plug is inserted into the common jack, and when the memory buffer is empty, the control circuit determines that the plug is removed from the common jack.